

Water-Data Report UT-2005

**09319000 EPHRAIM TUNNEL NEAR EPHRAIM, UT (Transmountain diversion)**

Green River Basin

LOCATION.--Lat 39°19'47", long 111°25'51" referenced to North American Datum of 1927, in SE ¼ SE ¼ SE ¼ sec.14, T.17 S., R.4 E., Sanpete County, Hydrologic Unit 14060009, at east tunnel portal, 9.0 mi east of Ephraim.

**WATER-DISCHARGE RECORDS**

PERIOD OF RECORD.--September 1949 to current year. Monthly discharge only for September 1949 to September 1960; figures of daily discharge available in Salt Lake City District Office, Geological Survey. Seasonal records only since October 1971.

GAGE.--Water-stage recorder and masonry control. Datum of gage is 9,694.9 ft above NGVD of 1929. (Levels by U.S. Geological Survey, Topographic Division.)

REMARKS.--Records poor. Tunnel diverts from Cottonwood Creek drainage in Colorado River Basin to San Pitch River in the Great Basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 142 ft<sup>3</sup>/s, June 6, 1964, gage height, 5.43 ft; no flow at times in some years.

## 09319000 EPHRAIM TUNNEL NEAR EPHRAIM, UT (Transmountain diversion)—Continued

**DISCHARGE, CUBIC FEET PER SECOND**  
**WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005**  
**DAILY MEAN VALUES**

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	---	---	---	---	---	---	e3.4	0.00	32	30	1.9	0.04
2	---	---	---	---	---	---	e4.5	0.00	37	27	1.0	0.04
3	---	---	---	---	---	---	e5	0.00	26	25	0.86	0.05
4	---	---	---	---	---	---	e3.7	0.00	18	21	1.5	0.29
5	---	---	---	---	---	---	e2.6	0.01	22	18	2.2	0.14
6	---	---	---	---	---	---	e2.1	0.12	34	16	e2.3	0.07
7	---	---	---	---	---	---	e2.6	0.04	32	14	e1.5	0.10
8	---	---	---	---	---	---	e3.4	0.05	42	13	0.97	0.04
9	---	---	---	---	---	---	e3.6	0.05	57	13	1.1	0.27
10	---	---	---	---	---	---	e4.0	0.05	62	11	1.1	0.14
11	---	---	---	---	---	---	e2.6	0.05	51	9.8	0.50	0.05
12	---	---	---	---	---	---	e2.1	0.05	33	8.3	0.36	0.03
13	---	---	---	---	---	---	e2.4	0.05	31	7.6	0.25	0.03
14	---	---	---	---	---	---	e2.8	0.12	47	6.9	0.20	0.02
15	---	---	---	---	---	---	e3.5	0.19	77	6.5	0.36	0.01
16	---	---	---	---	---	---	e4.6	0.44	92	6.1	0.65	0.01
17	---	---	---	---	---	---	e5.8	2.2	97	5.7	0.22	0.01
18	---	---	---	---	---	---	e5.7	2.3	101	5.4	0.10	0.01
19	---	---	---	---	---	---	e4.8	2.6	97	e5.6	0.20	0.00
20	---	---	---	---	---	---	e3.9	3.9	87	e4.8	0.16	0.00
21	---	---	---	---	---	---	e3.0	e6.5	81	e4.4	0.28	0.03
22	---	---	---	---	---	---	e2.4	e15	83	4.3	0.28	0.02
23	---	---	---	---	---	---	e2.0	e17	72	4.0	0.41	0.00
24	---	---	---	---	---	---	e2.4	e20	57	3.6	0.08	0.00
25	---	---	---	---	---	---	e2.4	e62	52	3.6	0.02	0.01
26	---	---	---	---	---	---	e2.6	76	46	3.2	0.02	0.01
27	---	---	---	---	---	---	e3.6	60	37	2.8	0.04	0.28
28	---	---	---	---	---	---	e2.6	54	36	2.6	0.04	0.11
29	---	---	---	---	---	---	e1.1	56	34	2.4	0.02	0.01
30	---	---	---	---	---	---	0.00	41	32	2.6	0.02	0.01
31	---	---	---	---	---	---	---	28	---	2.2	0.04	---
<b>Total</b>	---	---	---	---	---	---	95.20	447.72	1,605	290.4	18.68	1.83
<b>Mean</b>	---	---	---	---	---	---	3.17	14.4	53.5	9.37	0.60	0.06
<b>Max</b>	---	---	---	---	---	---	5.8	76	101	30	2.3	0.29
<b>Min</b>	---	---	---	---	---	---	0.00	0.00	18	2.2	0.02	0.00
<b>Ac-ft</b>	---	---	---	---	---	---	189	888	3,180	576	37	3.6